

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** July 5, 2006

**Inspector:** Diana Walden

**Location:** 345kV Underground Route

**Storm/**

**Rain Event:** Between 0.41-1.14" of rain was recorded over 7/4-7/5 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Vault Openings and Trench Construction	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-7/5/06 -Restoration was also noted in a number of areas. Grass was growing well near the Zion church 7/5/06	- Continue providing good "house- keeping" along the roadways. Full restoration will be required when work is completed. 2/2-7/5/06	-Restoration continues at this time.
	- The exit point of the bore was restored and materials were cleaned up. 7/5/06	- See erosion control section for more details. 7/5/06	- The area was restored
	-A number of vaults continue to be accessed along other portions of the route for internal work (pulling/splicing cable). 4/12-7/5/06	- Include these areas as part of the restoration efforts when access is complete. 4/12-7/5/06	-N/A
	- Active work continues north of the access drive of Norwalk Junction and along Rt 7, including up past the turn. 5/31-7/5/06	- It should be confirmed that catch basins along Rt 7 have controls. See erosion control section. 7/5/06	- Needs attention if not already addressed.
	- Drilling equipment is in place at the new HDD site in Georgetown and boring within the excavated pit is ongoing. 6/29-7/5/06	- A bermed asphalt pad remains in place to contain equipment in the reclamation site. Continue	- N/A

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	<ul style="list-style-type: none"> <li>- The exit point for the HDD is located at Church St. Work is ongoing here. 7/5/06</li> </ul>	<ul style="list-style-type: none"> <li>to monitor the area. 6/14-7/5/06</li> <li>- None at this time. Ensure all muds remain contained to the project. 7/5/06</li> </ul>	<ul style="list-style-type: none"> <li>- N/A at this time</li> </ul>
<p>Erosion and Sediment (E&amp;S) Controls</p> <p><b>Route 7</b></p>	<ul style="list-style-type: none"> <li>- Grass growth increased at the high school J&amp;B as well moving north towards Allen's Meadow. 6/20-7/5/06</li> <li>- At the School Rd. HDD, areas along the perimeter wetlands remain in good shape. Grass was growing very well in the area adjacent to the southern wetlands. 6/29-7/5/06</li> <li>- A small spot in this area appears to have the potential for a washout over the silt fence even though grass was starting to grow. 7/5/06</li> <li>- An area of silt fence was noted along the driveway at the School Rd site but it was not toed in. 6/29-7/5/06</li> <li>-Wetland areas continue to look good following the sediment removal but pooled water was slightly turbid after the rain. 7/5/06</li> <li>- Some sediment had washed over the silt fence near the swale on Old Danbury Rd. 6/29-7/5/06</li> <li>- The slope erosion near the HDD exit point was repaired with soil and rocks and the entire area was restored and seeded. 7/5/06</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor for stabilization. 7/5/06</li> <li>- The site look very well restored but the soil surface remains soft. Continue to monitor for stabilization. 7/5/06</li> <li>- Continue to monitor and repair and reinforce when necessary prior to the fence getting overwhelmed. 7/5/06</li> <li>-It is unclear whether this is only here as construction fencing. If it is meant to reduce run-off to the restored area, it should be toed in. 6/29-7/5/06</li> <li>- Continue to monitor for final stabilization. 7/5/06</li> <li>-Pull back the sediment and restore the silt fence. The EC mats are in good shape. 6/29-7/5/06</li> <li>-Continue to monitor for stabilization. 7/5/06</li> </ul>	<ul style="list-style-type: none"> <li>- Growth continues</li> <li>-N/A at this time</li> <li>-Needs monitoring</li> <li>-N/A unless the fence is for EC purposes</li> <li>-N/A at this time.</li> <li>-Needs attention</li> <li>- The area was restored</li> </ul>

Areas of Inspection	Observation	Recommended Action	Corrective Action
	<ul style="list-style-type: none"> <li>- The recently restored roadside area near the church had good grass growth. 7/5/06</li> <li>- The vault at Wilton Corp Park was being accessed at this time. 6/20-7/5/06</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor for stabilization. 7/5/06</li> <li>-The vault area will not be restored until after access needs are complete. 6/20-7/5/06</li> </ul>	<ul style="list-style-type: none"> <li>- Grass growth was noted</li> <li>-NA until access is complete</li> </ul>
<p>Erosion and Sediment (E&amp;S) Controls</p> <p><b>Route 7 continued</b></p> <p><b>Rt. 107</b></p>	<ul style="list-style-type: none"> <li>- Landowner activities near the storage area near #848 (Rt.7) are also directly affecting wetlands, including placing sediment on the banks of the swales. 3/15-7/5/06</li> <li>- Previously, catch basins along the Rt 7 turn area did not appear to have filters/controls in place. 6/14-7/5/06</li> <li>- The Rt. 107 &amp; 7 intersection has previously been disturbed for several months 2/2-7/5/06</li> <li>- At the Georgetown Deli J&amp;B, vegetative growth continues at all of the restored areas. 7/5/06</li> <li>- At the new HDD site along the Norwalk River, pooled run-off was contained to the bermed asphalt pad and muds were being sent to a baker tank. 7/5/06</li> <li>- Some topsoil was noted piled near recently accessed vault areas. This may be in preparation to restore the area. 7/5/06</li> <li>-Erosion was noted along</li> </ul>	<ul style="list-style-type: none"> <li>-The sediment placement and landowner activities are outside of project jurisdiction. 4/6-7/5/06</li> <li>- Need to confirm that catch basins were protected. 6/14-7/5/06</li> <li>-Restoration was also noted here. 7/5/06</li> <li>- Protect adjacent catch basins and restore the island when access is complete. 4/6-7/5/06</li> <li>-Due to the sandy soils, EC mats are installed here to promote stabilization. Continue to monitor 5/31-7/5/06</li> <li>- Continue to monitor controls, especially in the corner of the site as run-off will concentrate here. Watch the pooled water as well. 7/5/06</li> <li>- Place controls if the pile will remain and continue to restore any remaining areas. 7/5/06</li> <li>- This area was a town</li> </ul>	<ul style="list-style-type: none"> <li>-N/A</li> <li>- Needs attention if not already done</li> <li>-Needs attention</li> <li>- Vegetative growth continues</li> <li>-N/A at this time</li> <li>- Topsoil was brought in but needs attention</li> <li>-N/A</li> </ul>

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Norwalk Junction	<p>the sides of the roadway and down the recently constructed slope near #98, which was not project related. 6/29-7/5/06</p> <p>- Significant sediment had accumulated in the swale as a result of dewatering. 7/5/06</p>	<p>project and should be evaluated by town engineers or DPW. 6/29-7/5/06</p> <p>- The swale had been cleaned once but it needs to occur again. 7/5/06</p>	- N/A
Adjacent Wetlands and Waterways	<p>-The wetland area to the east of the HDD basin had some turbid flow as a result of the rain but remains well restored. 7/5/06</p> <p>-Adjacent areas of wetland were restored around the HDD site. 6/14-7/5/06</p>	<p>-Continue to monitor until the area has stabilized. 6/20-7/5/06</p> <p>-Some wetland seed mix was placed and the areas can revegetate naturally. 6/20-7/5/06</p>	<p>- N/A</p> <p>-N/A</p>
Staging, Storage, and Parking Areas	<p>- The equipment storage yard on the property south of the Rt. 7 &amp; 107 intersection was mostly contained. 1/26-7/5/06</p> <p>- Disturbance is mostly due to landowner activities. 3/15-7/5/06</p> <p>- Debris was being piled here as well but efforts will be made to clean up. 6/29-7/5/06</p> <p>- The storage area along Rt 7 across from Old Highway Rd is still in use. The larger stockpiles were no longer noted 7/5/06</p> <p>- The racquet club storage yard has a pile of sandbags stored here. Stormwater had been seen running to the swale on site. 6/7-7/5/06</p> <p>- Equipment and materials are also being stored off Rt</p>	<p>- In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should be left behind. Equipment should not be placed near resource areas.</p> <p>- Even though this is an active site, provide good housekeeping and remove debris when feasible. 5/4-7/5/06</p> <p>- The area is fairly well contained but control disturbed soil if necessary. Continue good housekeeping here. 7/5/06</p> <p>- Install haybales at the culvert within the swale in an attempt to filter run-off. 2/2-7/5/06</p> <p>- Keep areas contained and avoid encroachment</p>	<p>-N/A at this time</p> <p>-May need attention</p> <p>- Needs attention</p> <p>-Continue to</p>

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	7 before the Rt 33 turn. 6/14-7/5/06	into the tree line 6/14- 7/5/06	monitor
Soils	<ul style="list-style-type: none"> <li>- Most soils on roadways on the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. Soils off roadway can be returned to the trench.</li> <li>- A few small piles of topsoil were noted along the route in preparation for restoration. 7/5/06</li> </ul>	<ul style="list-style-type: none"> <li>- Soils appear to be handled appropriately. 7/5/06</li> <li>- Continue to make sure any stockpiles are backfilled to the trench by the end of each day. 2/2-7/5/06</li> <li>- Make sure controls are placed at the piles. 7/5/06</li> </ul>	N/A at this time
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> <li>-The restoration efforts (seeding and mulching) near the Zion church on Rt 7 resulted in good grass cover. 7/5/06</li> <li>- The restored area near Wilton HS and Allen Meadow's Park had continued growth. 7/5/06</li> <li>-Vault areas along Umpawaug Rd. will likely be restored soon. 7/5/06</li> <li>-The HDD was hydro-seeded and grass growth was increasing. 7/5/06</li> <li>- New growth continues at the mats near Georgetown Deli. 7/5/06</li> <li>- Some restoration was noted along Rt 7 near Ring's End lumber. 7/5/06</li> </ul>	<ul style="list-style-type: none"> <li>-Continue restoration: other projects are ongoing as well making it difficult to coordinate efforts. 3/29-7/5/06.</li> <li>- Monitor for stabilization. 7/5/06</li> <li>-Restore where necessary after vault access. 5/10-7/5/06</li> <li>-Monitor for final stabilization. 7/5/06</li> <li>-Continue to monitor for final stabilization. 7/5/06</li> <li>- Continue to monitor. 7/5/06</li> </ul>	<ul style="list-style-type: none"> <li>Restoration efforts were successful.</li> <li>-Grass growth was noted</li> <li>-Topsoil delivery was noted</li> <li>- Grass was growing</li> <li>- N/A</li> <li>- N/A</li> </ul>
Dewatering	- Dewatering was occurring at the new HDD. Water from the well point was being directed to a frac tank. Some run-off has	- Continue to provide controls. The frac tank is necessary here due to past use of the site although water is fairly clear 7/5/06	- N/A

Areas of Inspection	Observation	Recommended Action	Corrective Action
	pooled but was contained by the asphalt pad. 7/5/06		
Blasting	- No blasting is occurring on site at this time.	- None at this time.	N/A
Spills and Material Storage	- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 7/5/06	- The contractors should remain vigilant about securing and handling fuel containers. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - Check equipment status on a regular basis and keep spill kits on hand. - Report spills immediately, even if they are being controlled.	-N/A
Additional Observations			

**Next likely scheduled inspection:**

Wednesday July 12, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden





**345kV (Norwalk Junction)** Photo on the left shows where significant sediment accumulation was noted in the NJ swale from dewatering. This should continue to be removed. (Old Danbury Rd)  
Photo on the right shows where the recent rain washed sediment over the silt fence. 7/5/06



**(Old HDD exit point):** Both photos show the area at the HDD exit point near the limousine service on Rt 7. The area was graded and seeded and the erosion at the slope was repaired with some boulders and soil. Continue to monitor for stabilization 7/5/06





(School Rd HDD) Photo on the left shows the restored wetland area along the site. Standing water in the adjacent wetland was somewhat turbid as a result of the rain. Photo on the right shows the overall yard with increasing grass growth. However, the site is still very wet. 7/5/06



Photo on the left shows significant grass growth in the area adjacent to the wetland channel. Photo on the right shows where a future washout may develop at the silt fence. Continue to monitor and repair/reinforce if necessary. 7/5/06





(Rt 7) Photo on the left shows a recently restored area near the Zion Church along Rt 7 with good grass growth. (New HDD) Photo on the right shows the bore pit internal to the site. 7/5/06



Photo on the left shows how the asphalt berm is retaining pooled stormwater run-off from the site. A baker tank is also being used. (Georgetown Deli) Photo on the right shows the restored stream bank with increasing vegetative cover. 7/5/06